

INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2006/004773

A. CLASSIFICATION OF SUBJECT MATTER
 INV. C07K16/36 A61K38/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, CHEM ABS Data, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/24781 A (BRIGHAM & WOMENS HOSPITAL [US]) 4 May 2000 (2000-05-04) the whole document	1-78
X	WO 2004/062551 A (ABLYNX N V [BE]; SILENCE KAREN [BE]) 29 July 2004 (2004-07-29) the whole document	1-78
P,X	HULSTEIN JANINE J J ET AL: "A novel nanobody that detects the gain-of-function phenotype of von Willebrand factor in ADAMTS 13 deficiency and von Willebrand disease type 2B" BLOOD, vol. 106, no. 9, November 2005 (2005-11), pages 3035-3042, XP002434260 ISSN: 0006-4971 the whole document	1-78

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Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

18 June 2007

Date of mailing of the international search report

21/08/2007

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2006/004773

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>SILENCE KAREN ET AL: "ALX-0081 Nanobody (TM), an engineered bivalent anti-thrombotic drug candidate with improved efficacy and safety as compared to the marketed drugs."</p> <p>BLOOD, vol. 108, no. 11, Part 1, November 2006 (2006-11), page 269A, XP009085105 & 48TH ANNUAL MEETING OF THE AMERICAN-SOCIETY-OF-HEMATOLOGY; ORLANDO, FL, USA; DECEMBER 09 -12, 2006 ISSN: 0006-4971 abstract</p> <p>-----</p>	1-78

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-2 (part)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

Invention 1

Claims 1-2 (part) directed to a "nanobody" against VWF as defined in claim 1 in which CDR 1 comprises NYGMG (SEQ ID 15), CDR2 comprises "SISWSGTYTAYSDNVKG" (SEQ ID NO 23) and CDR 3 comprises "QSRYSNYYDHDDKYAY" (SEQ ID NO 33) and related subject-matter.

Inventions 2-7

Claim 1- 78 (all part) directed to a "nanobody" against VWF as defined in claim 1 in which CDR 1 comprises a sequence chosen from SEQ IDs 16-22, respectively.

Inventions 8-33

Claims 21-78 (all part) directed to a "nanobody" consisting of a sequence chosen from SEQ ID NOS 60-73 or 86-97, respectively

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2006/004773

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0024781	A	04-05-2000	AU 755549 B2 12-12-2002
		AU 1212700 A	15-05-2000
		CA 2344606 A1	04-05-2000
		EP 1124856 A1	22-08-2001
		JP 2002529373 T	10-09-2002
WO 2004062551	A	29-07-2004	CN 1735630 A 15-02-2006
		KR 20050092029 A	16-09-2005
		MX PA05006043 A	30-01-2006
		US 2006149041 A1	06-07-2006